

Figure 1: POLLEN GRAINS of *Ambrosia trifida* (Giant Ragweed) by Scanning Electron Microscopy

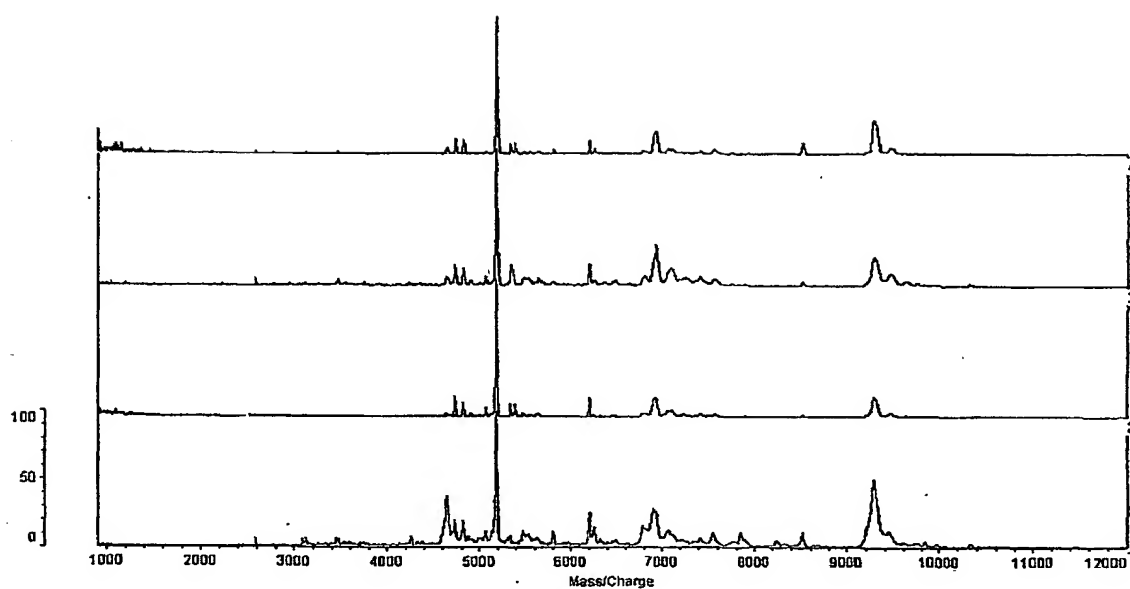


Figure 2: MALDI-TOF-MS of *Juglans nigra* in 4-HCCA, sinapinic acid (0.1%TFA), ferulic acid, and sinapinic acid (5% TFA) matrices.

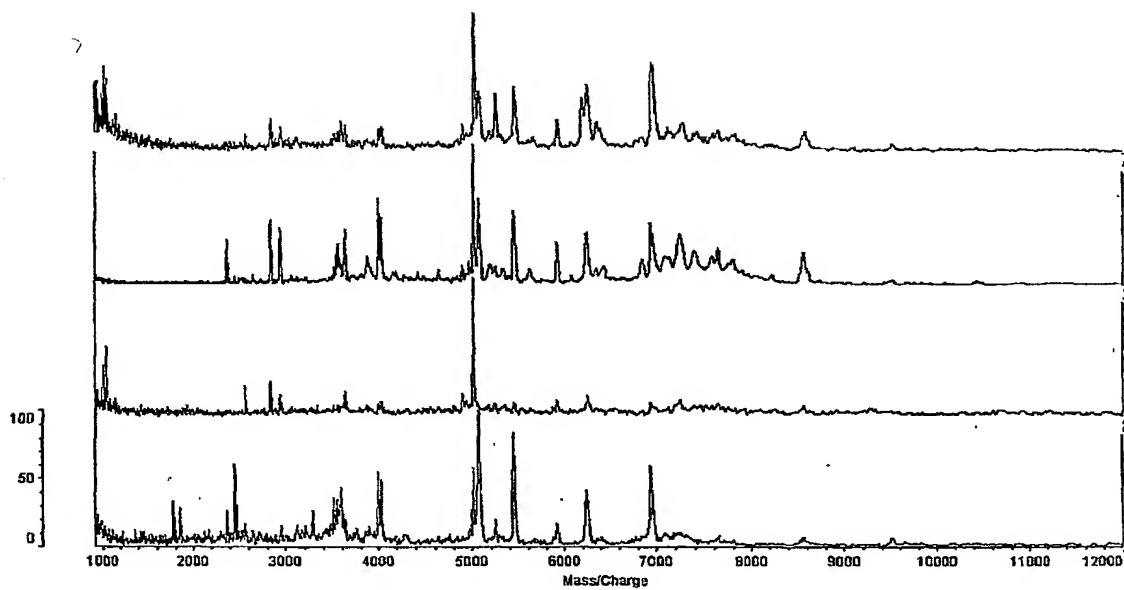


Figure 3: MALDI-TOF-MS of *Kochia scoparia* in 4-HCCA, sinapinic acid (0.1%TFA), ferulic acid, and sinapinic acid (5% TFA) matrices.

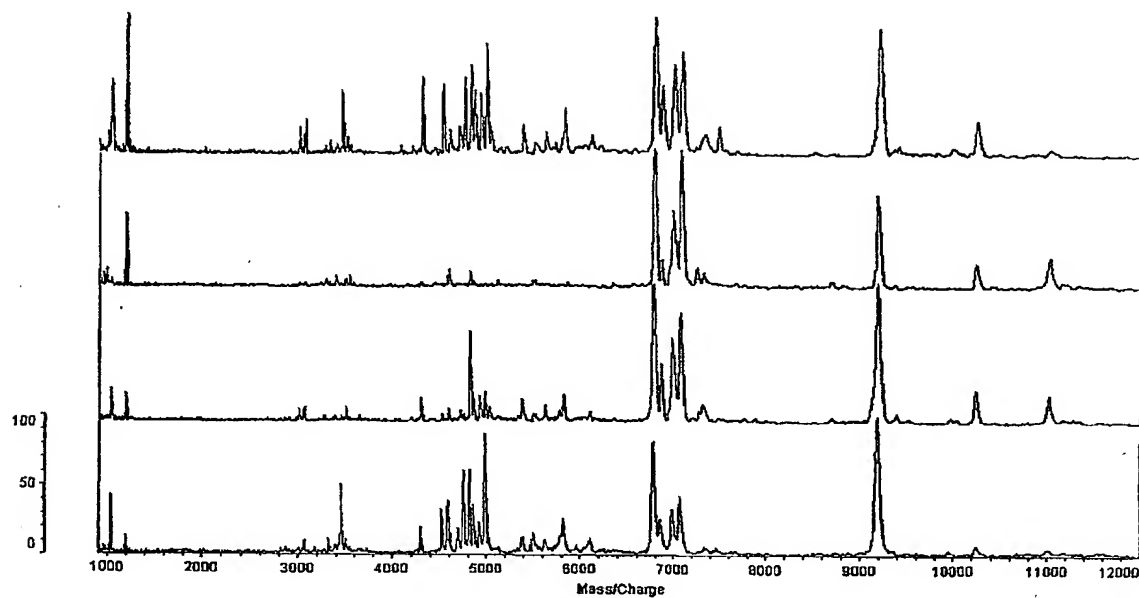


Figure 4: MALDI-TOF-MS of *Ambrosia trifida* in 4-HCCA, sinapinic acid (0.1%TFA), ferulic acid, and sinapinic acid (5% TFA) matrices.

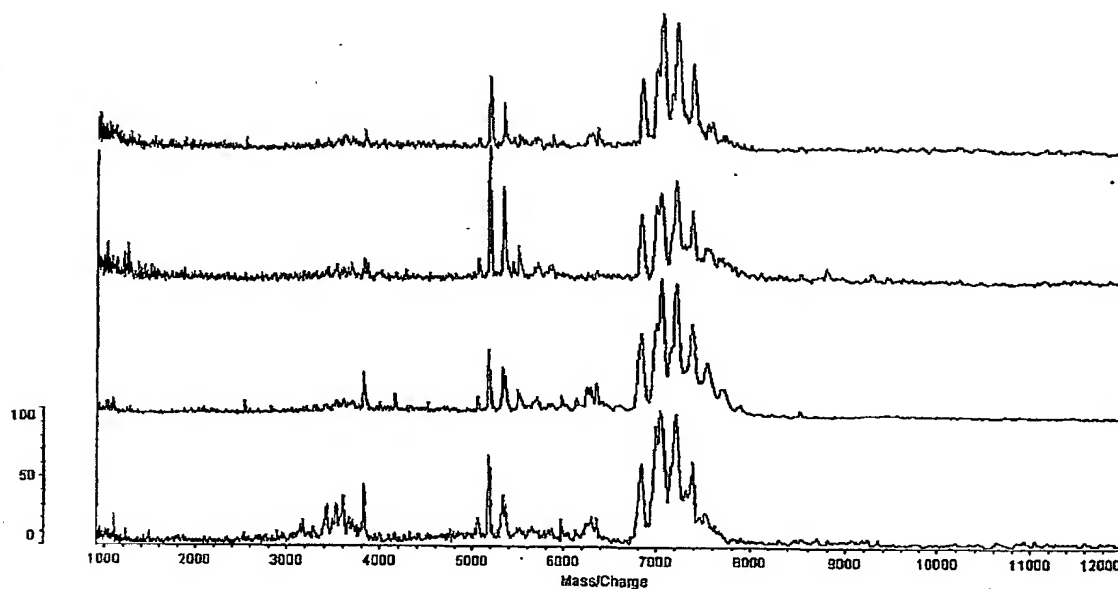


Figure 5: MALDI-TOF-MS of *Populus deltoides* in 4-HCCA, sinapinic acid (0.1%TFA), ferulic acid, and sinapinic acid (5% TFA) matrices.

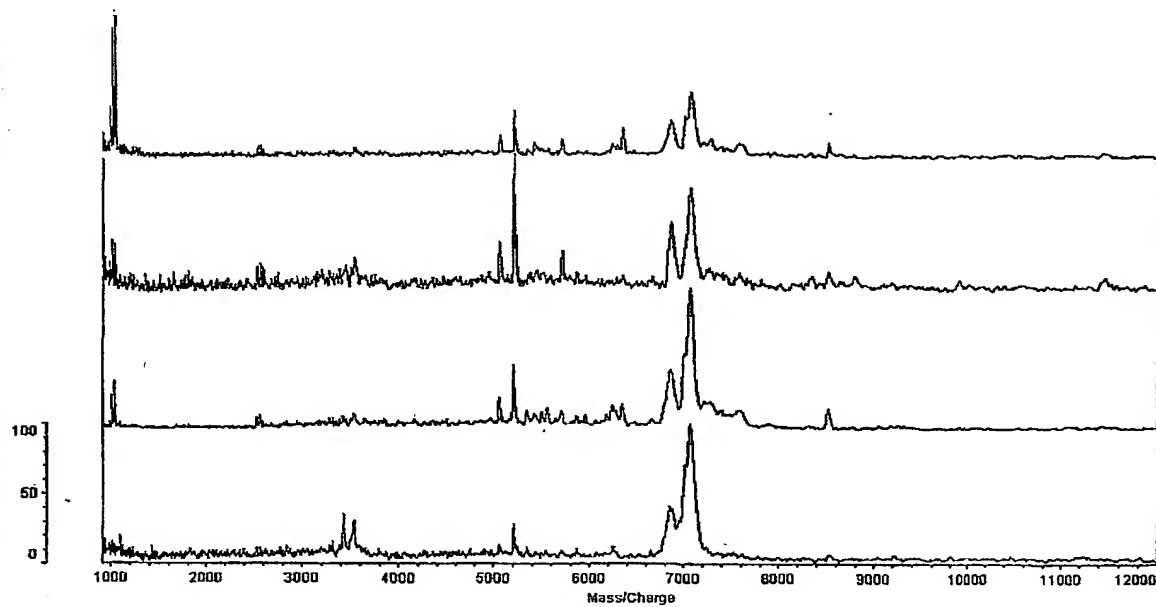


Figure 6: MALDI-TOF-MS of *Populus nigra italica* in 4-HCCA, sinapinic acid (0.1%TFA), ferulic acid, and sinapinic acid (5% TFA) matrices.

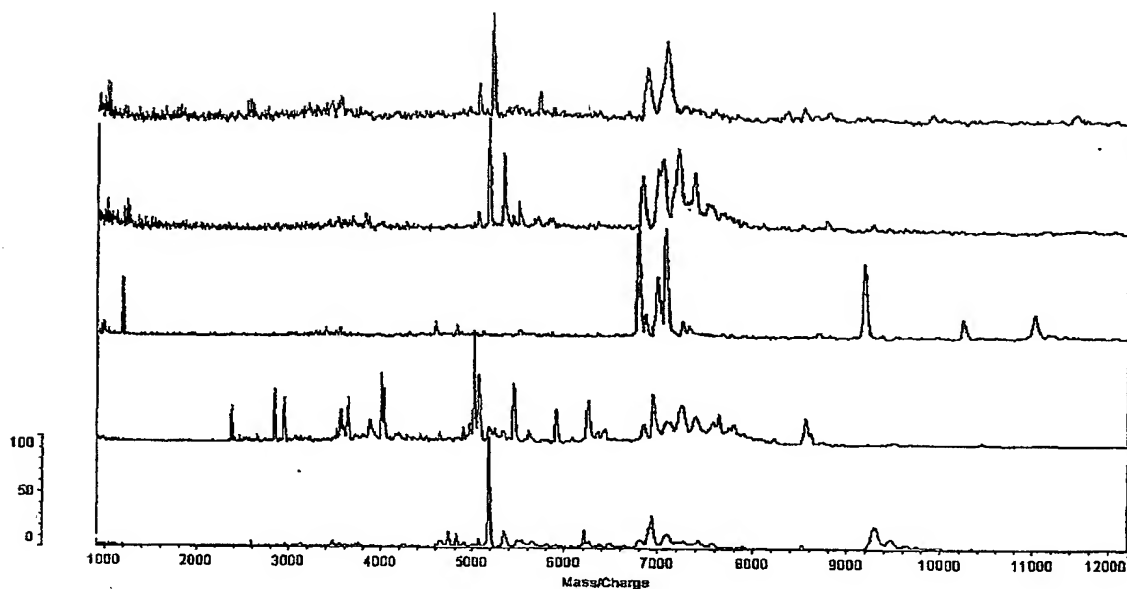


Figure 7: Pollen grains in ferulic acid matrix: (from bottom to top) *Juglans nigra*, *Kochia scoparia*, *Ambrosia trifida*, *Populus deltoides*, and *Populus nigra italica*.

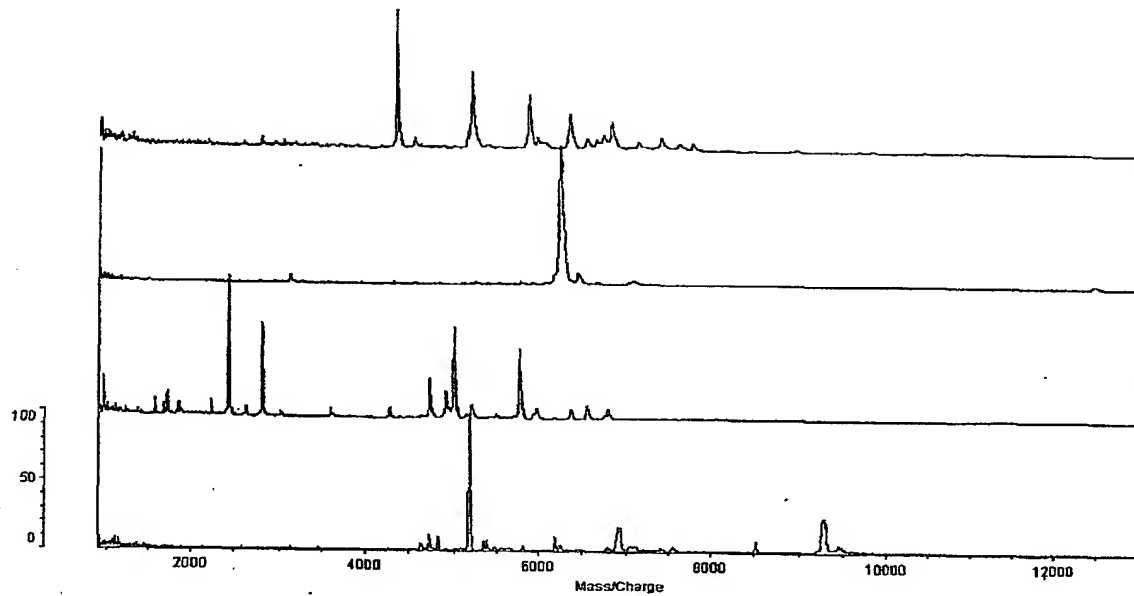


Figure 8: MALDI-TOF-MS of *Juglans nigra* and environmental isolates (*Staphylococcus sp.*, *Micrococcus sp.*, and *Bacillus sp.*) in sinapinic acid.



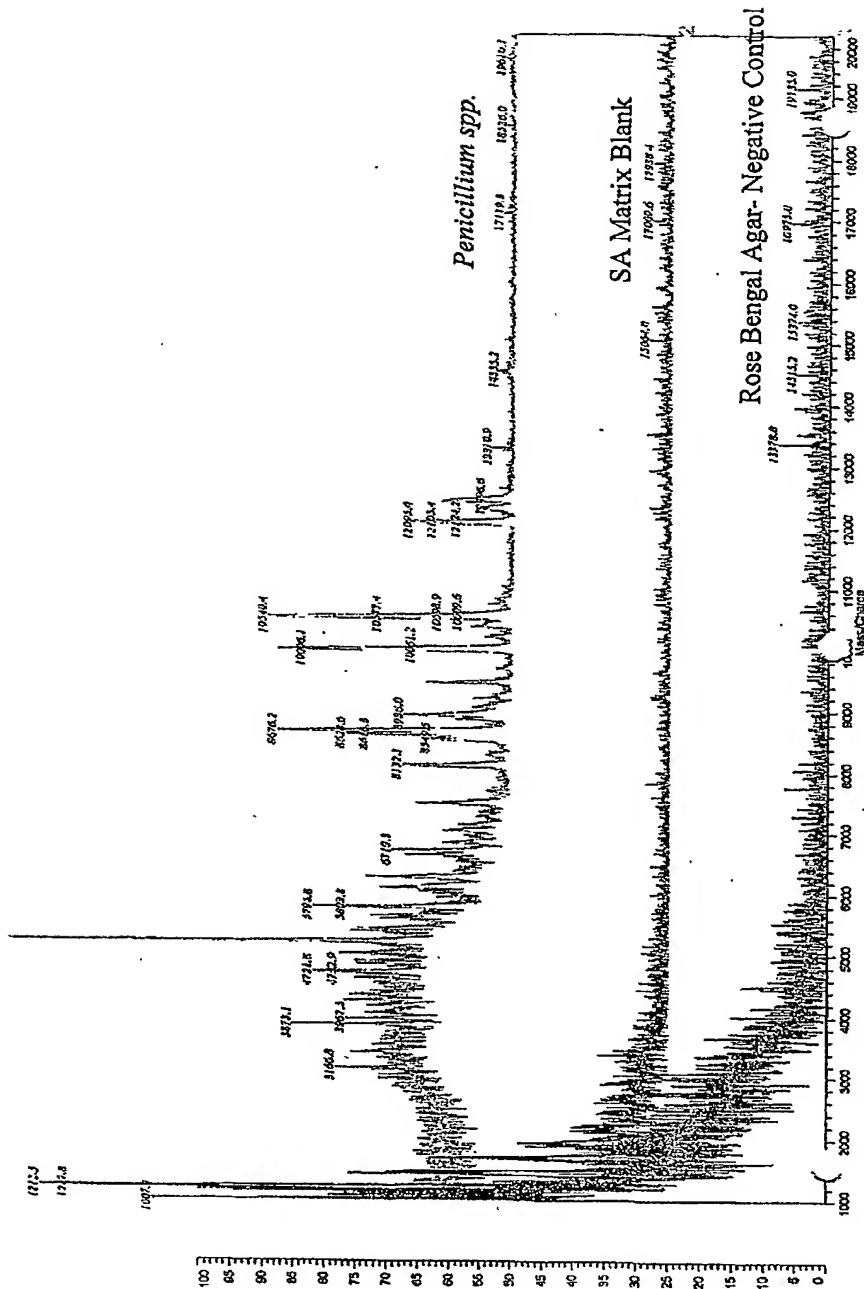


Figure 9: MALDI-TOFMS of *Penicillium* Spp.